LAND RECLAMATION COMMISSION

STATE OF MISSOURI

JEFFERSON CITY, MISSOURI 65102 P.O. BOX 176 573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

MAGRUDER LIMESTONE COMPANY

Pursuant to "The Land Reclamation Act." RSMo, 2001, and on conformity with the statements In the application, a permit is hereby granted to engage in surface mining of in the state of Missouri. The extent of the

The locations of the operation(s) under this permit is/are as follows: Renewal acres, more or less. Proposed mining operation(s) will be on

	Site	Number	0110	0109	0108	0111	0112
	Site/Stream	Name	Silex Quarry	Troy Quarry	Ashley Quarry	Bowling Green	Frankford Quarry
	Total	Acres	57	310	06	06	45
	Acres	New	0	0	0	0	0
	Acres	Renewed	57	310	06	06	45
	_		01 W	01 W		03W	04W
	Township		20N			53N	55N
	Section		02, 11	11, 12	27, 28	20	35, 36
	County		Lincoln	Lincoln		Pike	Pike

This permit may be suspended or revoked upon violation of any or all of the conditions set

forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this

August 2004

day of

13th

DIRECTOR OF STAF

Land Reclamation Commission

09/01/2004 08/31/2005 **Expiration Date** Effective Date MO 780-1122 (6-95) Permit No.



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MISSOURI DEPARTMENT OF NATURAL RESOURCES

LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINESMISSOURI LAND RECLAMATION COMMISS

P.O. BOX 176

	RECLAMATION	ON COMMISSIO JEFFERSON CITY, MO 65102-0176
NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIA Magrudes Limes time Co	ν	DATE 7-14-04
255 Watson Rd	СПУ	STATE ZIP CODE 633')9
CONTACT PERSON A. M. Janel	1	TELEPHONE NUMBER 636-528-4180
FEES: COMPLETE SECTION I OR SECTIO		
SECTION I. Fees: Open pit operators and	those mining more than 5,000 tons of sand	d and/or gravel:
1. To compute the site fee complete the in	formation below:	
SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be ope the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. Truy	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep,	Oct, Nov, Dec \$ 300.
2. Solex	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep,	Oct, Nov, Dec \$ 3 pp. 12
3. Ashley	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep,	Oct, Nov, Deg \$ 3cv.
4. Bowless breen	Jan, Feb, Mar, Apr, May Jun, Jul, Aug, Sep,	
5. Frankford	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep,	Oct, Nov, Dec \$ 156, 00
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep,	Oct, Nov, Dec \$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep,	Oct, Nov, Dec \$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep,	Oct, Nov, Dec \$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep,	Oct, Nov, Dec \$
10.	Jan, Feb, Mar, Apr, May, Jun, Jui, Aug, Sep,	Oct, Nov, Dec \$
TOTAL SITE FEE		\$ 1200.00
2. Acreage Fee \$5 X <u>58</u> 2 number	of acres bonded	\$ 1200.00 2960
3. Annual Permit Fee		
4. Total Fee (Add totals from 1, 2 and 3)		s 4610 4660
NOTE: If Total Fee exceeds \$2,500.00 th	en pay only	\$ 2,500
SECTION II. FEES: Sand or gravel operat	ors mining less than 5,000 tons per year:	
1. Annual Permit Fee		\$ 300
SIGNATURE OF APPLICANT	/ Kitne	time \$7-1504
11/1	20 0 V	lean McDONAIN
Appeared before me this		CAN THE CONTE
NOTARY PUBLIC EMBOSSER SEAL STATE OF		COUNTY (OR CITY OF ST. LOUIS)
AUBSCRIPED AN	JSSOURT D SWORN BEFORE ME, THIS	120011
TO THE PROPERTY OF THE PROPERT	571 DAY OF JULY YEAR 2004	USE RUBBER STAMPIN CLEAR AREA BEROW.
NOTARY PUBLIC	SIGNATURE / MY COMMISSION	Notary Public - Notary Seal
	EXPIRES	STATE OF MISSOURI
ARY PUR SILL OCU	el . 1 -11-05	Lincoln County
OF MISS NOTARY PUBLIC	NAME (TYPED OR PRINTED)	My Commission Expires: Nov. 11,
JA	COLO L. (SON)	
FOR DEPARTMENT USE ONLY: APPROVED BY	DATE APPROVED PERMIT NU 6-13-29 00	MBER EXPIRATION DATE 7 86 8-3/-0
MO 780-1780 (12-02)	0/1709 100	8-7/-05





MO 780-1036 (12-91)

MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION SITE INFORMATION FORM

MAR 2 2 2001

MISSOURI LAND

TE NAME OR NUMBER	PERMIT NUMBER	CEL
_ ^		APR 3 0 2001
TROY GUARRY	0086	7PP 3 11 32
Magruder Limest	4 0 3	RECLAMISSOURI LAND TION TION
Magruder Simest	one Co. Inc.	TION COUNT
OUNTY 1/4 SE	ECTION SEC	TION MINISSIO
LINCOLN	1.	L 17.
OWNSHIP RANG	GE ACF	T. J. U.S.
110.1	71.1	IMA
49 N	/W	
IVER OR STREAM NAME (FOR IN-STREAM ACRES)		
MINERAL COMMODITY	ESTIMATED TONS/YEAR (FOR G	RAVEL SITES)
LIMESHONE		
MINIESTONE		
IAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)	
C JI TA	¥/	
SMITH FAMILLY	1 HELKS	
Ol di		
SAN BACON CITY BRALLE BURG	7145 E. 400 N	
ony _	STATE	ZIP CODE
BROWNSBURG	IN	46112
SOURCE OF RIGHT TO MINE (CHECK ONE)	1 210	DATE OF AGREEMENT
MINERAL DEED	LEASE	100
WARRANTY DEED	VERBAL AGREEMENT	1987
	CE VERBAL AGREEMENT	
OTHER (DESCRIBE):		
MINERAL RIGHTS OWNER (ATTACH LIST IS MORE THAN O	ME)	
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN O		
SAME AS		
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN O SAME AS ADDRESS		
SAME AS		ZIP CODE
SAME AS	ABOVE	ZIP CODE
SAME AS ADDRESS	ABOVE	
SAME AS ADDRESS CITY SOURCE OF RIGHT TO MINE (CHECK ONE):	ATS OVE	ZIP CODE DATE OF AGREEMENT
SAME AS ADDRESS	ATS OVE	DATE OF AGREEMENT
SAME AS ADDRESS CITY SOURCE OF RIGHT TO MINE (CHECK ONE):	ABOVE	





APR 3 0 2001

be completed for each separate area of disturbant	ce associated with mining operations.	MISSOURI LAND RECLAMATION COMMISSION
E NAME OR NUMBER	PERMIT NUMBER	
TROY QUARRY	0086	
MITANIE 1 _	7 -	
Magueler Simeston	- (U)	
UNTY 1/4 SECT	rical los	CTION
/	1-	
LINCOLN	<u> </u>	2,11412
WNSHIP	AC	2,11412 RES 140 120 12011111
491/	111	130 190 12-1101
ER OR STREAM NAME (FOR IN-STREAM ACRES)	700	160
NERAL COMMODITY	ESTIMATED TONS/YEAR (FOR (GRAVEL SITES)
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NSTITESTORE		
ME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)	7	1
Magneler Quar	rry + Equipmen	+ LLC
DORESS (MAN)	our somether	
•		
255 WATSON Rd	-	
TY	STATE	ZIP CODE
TROU	IVIO	1 65379
DURCE OF RIGHT TO MINE (CHECK ONE):		DATE OF AGREEMENT
MINERAL DEED	LEASE	16/1/11
WARRANTY DEED	VERBAL AGREEMENT	7/26/01
	VENDAL AGREEMENT	
OTHER (DESCRIBE):		
	5)	
INERAL PIGHTS OWNER (ATTACH LIST IE MORE THAN ONE	• 1	
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·	- AS ABOVE	
SAME		
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SAME DDRESS		ZIP CODE
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DURCE OF RIGHT TO MINE (CHECK ONE):	AS ABOVE	ZIP CODE DATE OF AGREEMENT
DORESS TY	AS ABOVE	
OURCE OF RIGHT TO MINE (CHECK ONE):	AS ABOVE	
DDRESS TY DURCE OF RIGHT TO MINE (CHECK ONE): MINERAL DEED WARRANTY DEED	STATE LEASE VERBAL AGREEMENT	
DURCE OF RIGHT TO MINE (CHECK ONE): MINERAL DEED	STATE LEASE VERBAL AGREEMENT	



MISSOURI DEPARTMENT OF ATURAL RESOURCES LAND RECLAMATION COMMISSION

MINE PLAN

MISSOURI LAND RECLAMATION COMMISSION

P.O. BOX 176 JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):
TYPE OF PLAN (CHECK ONE): SHORT TERM, FOR ONE PERMIT YEAR COMPANY NAME MAGNISTIC SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PEROR TO PERATOR), INCLUDING SOIL, VEGETATION
LONG TERM, FOR PERIOD THROUGH DATE: 3/30/50
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
AND TOPOGRAPHY. This plan Covers an area of 300 acres. The area is steeply sloped off 2 ridge areas. There are trees on the slopes
The pain with the same to
stoody sloped off 2 rudge areas. There are viles on the stoppes
The state of the s
and open areas on the ridges. The topsoil is neary shallow on
1 -4. On and (10"4. 1") and is deeper (1)
the eastern part of the plan area (6"to 1") and is deeper (1"
To 2') on the Western ridge, Rock is exposed on much of the
To2) on the western suege, increasing
1 Compasse of Clay & Cher and
Slopes. Subscilon the ridges is composed of clay of Chert and
is 10-20' deep. The area is bounded by Lincoln County
is 10-20 deep. Thearlass. Hourses my
road 654 (Walson Rd) to the South & by Hwy61 on the N.W.
Moad 654 (Walsh 100) to the Source
Corner.
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.
A. TOPSOIL
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
6" to 24" INCHES TYES OR ID NO
The area Wilfle Clase With a dozer or hoe excavator
The and will the Many With a done or hot excavator
Theward will me country to
if necessary. The topsoil will be removed by scraperor
Micassary. The aparoce were week
to you have well the
a Negrester, and stockfiller on sell, she will
excavator and stockpiled on site. The subsoil will be
1 1 1 A. T. Iso May Mill A water
backslope Pit or stockpiled. Clearing wilkliedone 2-5
10 0 0 (1) -# as a bank a bank a collection
backslope Per of short quite.
1 + a Omalu On Willed Removed 2 3 deres
acres at a time and overhunder willhe removed 2.5 acres
at a time.
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION Scrapers will remove the topsoil and stockpile et on site. These stockpiles will be seeded to grass.
Conson will remote the town of a Ontologile
Scrapers wer remove the wijester dear strongen
I - A The Ada a well a read to the
it on sele. These stoongues will me select to grass.
The top soil will be used to finish sloped areas
du total
during reclamation.
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K MAR	22	1999	U
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n 000.		RECLAMATION CONTRACTOR
B. SPOIL	METHODS	AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL A
DESCRIBE	WE111008	Semestre spoil will be use for initial
st Wi gr	opa il al adin voils	AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL LISE for initial servicition. April will be used for initial of a guarry Walls. Subsoil of Clay + Chert les be used to slope walls initially. Finish will be done with whatever topsoil is able. All reclamed areas will be seeded.
	MATERI	AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
<i>5</i> 25571152		NONE DELOW)
D. PIT II	NFORMA	- TION (GIVE ALL DIMENSIONS IN FEET)
		I AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
- -	. = -	
		1
····		i
YES	NO	
	TT/	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
_	<u>/</u>	viiii any excavation be at or within inty feet (50) of the right-of-way of any public foad?
		Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
	A	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

MO 780-1327 (12-91) DEBMIT NO 0086

CTMD NO 1/2 WHO TROY QUARRY

PAGE 2 OF 5

• •		R MAR 2 1 199 D	
RECLAMATION PLAN - 10 CS	R 40-10.020(2)(D)2.	MISSOURI LAND	
A. REVEGETATION (Attach a	additional sheets, if needed)	RECLAMATION COMMISSION	
REVEGETATION MIX #1 FESCUE + LES	PURPOSE OR LAND USE ALE Y	Evelopment Span	, ,
after	IT TO BE USED FOR SEEDING OR PLANTIF	Slace The see	will
be broad	east and Pres	se Dento the top	0126
I" of topse	ort. Reserving	will occur as n	ecassary.
Lime and fertilizer will be appli will be applied to all slopes exc	_	made, based on an analysis of soil te	xture and nutrients. Mulch
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
FESCUE	20#/acre		
LESPEDEZA	15#/acre		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

MISSOURI LAND
B. GRADING RECLAMATION COMMISSION
all areas of the put will be graded to
required slope & Deeded. This area will all uses
las stock pile area as longas the gelassy as cicline.
of In the quarry put well the worker when
- Marie Mari
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
The rest of the area Capping, source
base On local planning guedelines.
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES
GRADING GRADING Willedone as pet is backfeled. Final
grading will be done as needed or at least one year
after quarrying is complete.
Topsoil will be replaced as soon as grade de
Jopsoil will be replaced as soon as grade is lerought up as much as possible by spoilage of Charty
Clay.
after fenal grading and as needed thereofter.
after fenal grading and as needed thereafter.
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)
D. USE OF LAND WHEN RECLAIMED
Estimate acreage of each land use below, after reclamation
Wildlife (forest or other habitat with livestock excluded)
Agricultural (pasture, cropland, and horticultural)
Development (residential, industrial, and recreational)
Water impoundments (for wildlife, agricultural, or development) 158-150 agricultural
MO 780-1327 (12-91) PAGE 4 OF 5



By my signature, I attest to the following:

MISSOURI LAND RECLAMATION COMMISSION

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT	VICE PRE	5	S/12/99
NOTARY PUBLIC EMBOSSER SEAL STATE POLD L. BO SUBSCRIBED AND SWORN BEFORE ME, TH		COUNTY (OR CIT	ry of st/Louis)
DAY OF Myac	A 1999	USE RUBBER	STARFINGLEAR ANEA BELO
NO ARY PUBLIC SIGNATURE NO ARY PUBLIC SIGNATURE NO ARY PUBLIC NAME (TYPED OR PRINTED) HARLO LO LO DINTO	MY COMMISSION EXPIRES	Not S	HAROLD L. BONO ary Public - Notary Seal TATE OF MISSOURI Lincoln County nission Expires: Nov. 11, 2001
	DATE APPROVED		PERMIT NUMBER
Sel Mos-	4-13-99		0086
PERMIT NO. 0086 SITE NO.+/01	NAME TROY	DUARR	PAGE 5 C



SITE INFORMATION FORM

Addin acres to permite RECEIVED

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

FEB 2 5 1998

MISSOURI LAND

To be completed for each congrete area of d	isturbanca sassaista	d with mining anarations	RECLAMATION COMMISSION	
To be completed for each separate area of d	isturbance associated			
TE NAME OR NUMBER PERMIT NUMBER				
ashley Quarry	Chley Guarry 0086		6	
	ne Co., 3	i. L.		
COUNTY	1/4 SECTION		SECTION	
PIKE			27428 ACRES	
TOWNSHIP	RANGE		ACRES	
52N	3W		90	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)				
MINERAL COMMODITY		ESTIMATED TONS/YEAR (FO	DR GRAVEL SITES)	
Jim to				
Limestone				
NAME OF LANDOWNER (ATTACH LIST IF MORE THAN	NONE)	2		
Magniler Lime	stone Co	., Inc.		
ADDRESS		<u> </u>		
255 WATSON Rd				
СІТҮ		STATE	ZIP CODE	
SOURCE OF RIGHT/TO MINE (CHECK ONE):		Mo.	63379	
l/		_	DATE OF AGREEMENT	
MINERAL DEED		LEASE		
□ WARRANTY DEED □ VERBAL AGREEMENT				
DOTHER (DESCRIBE): DWNER OF	PROPERTY			
	,			
				
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE TH	IAN ONE)			
WINE THE THE THE TENER THE THE TENER THE THE TENER THE T	may one,			
ADDRESS				
ADDRESS				
CITY		STATE	ZIP CODE	
SOURCE OF RIGHT TO MINE (CHECK ONE):		<u></u>	DATE OF AGREEMENT	
MINERAL DEED		LEASE		
☐ WARRANTY DEED		VERBAL AGREEMENT		
OTHER (DESCRIBE):				
NOTE: Each site must be shown on a map a	and be included in a p	oublic notice and an app	roved mine plan.	



MISSOURI DEPARTMENT WNATURAL RESOURCES LAND RECLAMATION COMMISSION



MINE PLAN

MISSOURI LAND

P.O. BOX 176 JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):	COMPANY NAME/ Nagruder Simestone - ashley quar
SHORT TERM, FOR ONE PERMIT YEAR	COMPANI MARILITY (100 TOOLS OF THE TOOLS OF
LONG TERM, FOR PERIOD THROUGH DATE: 2050	· · · · · · · · · · · · · · · · · · ·
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMM	MISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
AND TOPOGRAPHY.	-100 - 104 - 00
This in a ora	elling , hely site that is covered
Stock as a	
-11	- 70% of the acres. It is next to
with tree on about	10% of the acres. It is vigor
were season	$\frac{1}{2}$
1 · · · · · · · · · · · · · · · · · · ·	To a man + B lan Ma The last
Aug Purpout Olymbe	al quarry at cestily,
Coes Cestas s. Jack	D quarry at askley, Mo. The top
1 1 1 1 1 1	Me i a chait about area
Dock is 6-12 dees	p, shere is a cherry, any
1	p. There is a Cherty, Clay area
· · · · · · · · · · · · · · · · · · ·	,
under this topsoil of	12" ± 2".
which was referred	
1	
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.	
A. TOPSOIL	
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATIO	ON COMMISSION PERMITTING IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE
	/2
	INCHES \ YES OR \ NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL R	REMOVAL
DECOMBE METHODO AND EQUI MENTOGED FON TO SOLE I	
	all an area () () () () () ()
Joy was we	Uf hu mones my sorgeons and
For soil we	My hu mones my sorgens and
Jog soul us	Les la mones my songene and
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Stockpiled for fute	ill lu moued by scrapers and ture reclamation.
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DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOILS Jop Soi Acropers and a description	storage and protection I will be stockpiled by use of loger will dress up pile. We Will
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOILS Jop Soi Acropers and a description	storage and protection I will be stockpiled by use of loger will dress up pile. We Will
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOILS Jop Soi Acropers and a description	storage and protection I will be stockpiled by use of loger will dress up pile. We Will
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOILS Jop Soi Acropers and a de Than Sow grass on	STORAGE AND PROTECTION Il will be stockpeled by use of logar will dress up pile. We will a stockpile to provide droseon
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOILS Jop Soi Acropers and a de Than Sow grass on	STORAGE AND PROTECTION Il will be stockpeled by use of logar will dress up pile. We will a stockpile to provide droseon
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOILS Jop Soi Acropers and a de Than Sow grass on	STORAGE AND PROTECTION Il will be stockpeled by use of logar will dress up pile. We will a stockpile to provide droseon
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOILS Jop Soi Acropers and a de Than Sow grass on	STORAGE AND PROTECTION Il will be stockpeled by use of logar will dress up pile. We will a stockpile to provide droseon
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOILS Jop Soil Acropers and a de than sow grass on Contral. We will keep	STORAGE AND PROTECTION Il will be stockpiled by use of logar will dress up pile. We will a stockpile to provide eroseon beg grass growing until topsoil
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOILS Jop Soil Acropers and a de than sow grass on Contral. We will keep	STORAGE AND PROTECTION Il will be stockpiled by use of logar will dress up pile. We will a stockpile to provide eroseon beg grass growing until topsoil
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOILS Jop Soil Acropers and a de than sow grass on Contral. We will keep	STORAGE AND PROTECTION Il will be stockpiled by use of logar will dress up pile. We will a stockpile to provide eroseon beg grass growing until topsoil
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOILS Jop Soi Acropers and a de Than Sow grass on	STORAGE AND PROTECTION Il will be stockpiled by use of logar will dress up pile. We will a stockpile to provide eroseon beg grass growing until topsoil

	₹	ashley Quarry FEB 25 1998 D
	• •	ashley Clearry FEB 25 1998 D
B. SPOI	L	RECLAMATION CON
C. ACIE	We d Rest reclar	AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL We anticipate little spoilage at this site. Use most of Cherty, Clay to level areas for stockpiles. of Cherty, Clay and any fines Will be used to me pet to proper slopes. ALS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW) — Mont
		TION (GIVE ALL DIMENSIONS IN FEET) I AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
		SET MAP
YES	NO	
		Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
		Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
Ø		Will any excavation start at or within fifty feet (50') of any property line? This Will die between (NOTE: If the answer is "yes", a safety barrier may be needed.) our current leased property + PAGE 2 OF 5
AO 780-1327	(12-91)	Our properly. PAGE 2 OF S

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2. A REVEGETATION (Attach additional sheets if peeded) RECLAMATION (Attach additional sheets if peeded)					
(Amasi additional sheets) if needed/					
TESTILE & LESPENERS	PURPOSE OR LAND USE	tional or fall	Spring		
DESCRIBE METHODS AND LOUIPMENT TO BE	USED FOR SEEDING OR PLANT!	NG housing			
all slopes wiel be sloped to proper angle using Clay, cherty mix & spoilage. Lopsoil will be put on top, will lime & pettilege as newed & sow grass and lepedage with broadcast seeder by blower. Seedwille pressed into soil with ime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and hutrients. Mulch will be applied to all slopes exceeding 5:1.					
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE		
Tieseue 20 /acres Lespedeya 15 /acres RECEIVED MISSOURI LAND RECLAMATION COMMISSION					
REVEGETATION MIX #2 PURPOSE OR LAND USE B. SEEDING OR PLANTING TIME					
DESCRIBE METHODS AND EQUIPMENT TO BE	USED FOR SEEDING OR PLANTI	NG			

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

MO 780-1327 (12-91)

Ashley Quincey

askley avery RECEIVED

	. 20 % 3 1998
B. GRADING	MISSOURI LAND
DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES	CLAMATION COMMISSION
B. GRADING DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES When Weare done Guarrying the	ereage well
	sie Province
Consist of a lake of approx. 70 acres.	This lane well
In the pet and the sever will die	Slope P
Degulation. The rest of the circa war	10.00
Down in grass. This area Will all all	The state of the s
use at first. Tater at mogle used for	housing or
cattle ranching.	
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES	
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GRADING GRADING Will proceed as the que the area. This will be an ongoing proceeding is opened the overleur Den wiel be used to re REPLACEMENT OF TOPSOIL	earry three
the area. This welf he an ongoing proceeding	e as unavea
is opened theoverburber wielde used to r	eclan a prior
REPLACEMENT OF TOPSOIL	1 1-4
Topsoil Will die placed after M	ostof the
Grading is done and just prior to see	Deerg. Thro
After is topsoil is placed and grade is established we will linest feite and grass sown.	the genal
grade is established we will linest feite	laye the area
and grass sown.	
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)	
D. USE OF LAND WHEN RECLAIMED	ECTIMATED ACRES.
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	20
Water impoundments (for wildlife, agricultural, or development)	70

MO 780-1327 (12-91)

ASHley Quarry

PAGE 4 OF 5



By my signature, I attest to the following:

MISSOURI LAND RECLAMATION COMMISSION

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

	TITLE	1
Sano	of Mg	DATE 2/19/98
STATE MISSOURI SUBSCRIBED AND SWORN BEFORE ME, TH	iis	COUNTY (OR CITY OF ST. LOUIS)
19 DAY OF FEB	1998	USE RUBBER STAMP IN CLEAR AREA BELOW
NOTARY PUBLIC SIGNATURE Student & Blow NOTARY PUBLIC NAME (TYPED OR PRINTED)	MY COMMISSION EXPIRES	SHIRLEY A. BROWN Notary Public-Notary Seal State of Missouri Pike County My Commission Expires Apr 1, 2000
SENTATIVE)	DATE APPROVED	PERMITNUMBER
// NO. SITE NO. +/o	4-16-98 T NAME ASHI	1EY GUARRY PAGES OF S
	STATE MISSOURI SUBSCRIBED AND SWORN BEFORE ME, TH 19 DAY OF FEB NOTARY PUBLIC SIGNATURE DIVIDING (A BLOWN NOTARY PUBLIC NAME (TYPED OR PRINTED) SHILLEY A BROWN SENTATIVE)	STATE MISSOURI SUBSCRIBED AND SWORN BEFORE ME, THIS 1998 NOTARY PUBLIC SIGNATURE MY COMMISSION EXPIRES 4-1-2000 NOTARY PUBLIC NAME (TYPED OR PRINTED) SHIRLEY A BROWN SENTATIVE) DATE APPROVED 4-6-45



MISSOURI DEPARTMENT OMATURAL RESOURCES LAND RECLAMATION COMMISSION SITE INFORMATION FORM



NOTE: Fach site must be shown on a man ar				
OTHER (DESCRIBE):				-
WARRANTY DEED		VERBAL AGREEMENT	Į	- 1- 11
MINERAL DEED		LEASE		3/29/96
SOURCE OF RIGHT TO MINE (CHECK ONE):				DATE OF AGREEMENT
o		SIMIE		ZIP GOUE
CITY		STATE	1	ZIP CODE
ADDRESS				
Same as alu	oul -			
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE TH				
OTHER (DESCRIBE):				
WARRANTY DEED		VERBAL AGREEMENT	t	
MINERAL DEED	,	LEASE		3/29/96
SOURCE OF RIGHT TO MINE (CHECK ONE):				DATE OF AGREEMENT
Silmo		ma		63377
CITY CITY		STATE	ı	ZIP COUE
Bt 2 Box 29A	•			
ADDRESS HOTGE !!!	hler			
M. W	10			
NAME OF LANDOWNER (ATTACH LIST IF MORE THAN	LONE)			
(1, virus ne				
Limestone				•
MINERAL COMMODITY		ESTIMATED TONS/YEAR (FO	R GRAVEL S	SITES)
in the sum of the sum				
33N RIVER OR STREAM NAME (FOR IN-STREAM ACRES)) Ju	,		10
C2.1	RANGE 3 U	1	ACRES	20
TOWNSHIP	DANCE.			20
COUNTY	1/4 SECTION		SECTION	^
Magneler Lime	stone Co.	Inc.		
COMPANY NAME		<i>(</i> 3		
Lowling Green	Quarry	86		
SITE NAME OR NUMBER		PERMIT NUMBER		WOLL COMMISSION
To be completed for each separate area of d	isturbance associated	d with mining operations	RECLA	MISSOURI LAND MATION COMMISSION
[· · · · · · · · · · · · · · · · · · ·			··········	AMICCOURT



TWIST T	
TYPE OF PLAN (CHECK ONE):	MISSOURI LAND
SHORT TERM, FOR ONE PERMIT YEAR	RECLAMATION COMMISSION
MICHICARRY COR DEPUIS TUROUS LINES MARCH 10 7471	
D LONG TERM, FOR PERIOD THROUGH DATE: MARCH 29, 2021	
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMÍTTING (BY APPL	ICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
and topography. This plan Coners an area	of reason and annex. The
This plan cours an area	of approx to was.
0,000	
area is steeply sloped with some to	Transing Bence Trown
what is slighty slopes with some	suis wow of
and edges. approp. 50% is open of	1°00 Ylan in all out
a () a open of 50% is open of	feels. There is about
10-12 foot of topsoil on average lu	1 1 1 - 1 + - + + 10
	+ about 5-10 seel on acc
1 + To have on allegate in	y across or 10 y
10-12 fool of Cop 2001	\sim \sim t
	Olaurinu tu a
and That will be mined. Spice it	
area that will be mined. There is	Alan I Washed Since
the things	met will warder source
1) + 11 man 1T this sile. I have	•
May 7 miles in	,
about 4 acres at this site. It has	
the 1960's.	
me ileus,	}
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.	
A. TOPSOIL	
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
121	lo ntx
	INCHES TES OR IN NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL THE TOPSOIL WILL BE CLEAR A CONTROL OF TOPSOIL REMOVAL	O 1 1 1 total
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dozer. The topsail wiel then I	$\left(\right)$
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world. She lopped with	
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+ stackfully orbite 1)	, Q 1
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of took of hill le clone day	
of comments	•
of topsoil will be done 2 ac	
•	İ
ONINA I	ļ
Present.	
<u> </u>	
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION	~ 1
topsoil will be stockpiled on	1
Kampul attacka	I by solupers, me
Merchant of hope of	
ta, a, l), , , , , , , , , , , , , , , , , ,	1. Ti There stockalled
Copsor will be specifically	Jan : State of the
	and the tropy
	at them from
INIIX US NOONOS JIM, GRASSI W (10	rocer //
VONOT NOC BUSINESS NO 9 - 100 Y	
Will be seeded in grass to p	
910 10 10 10	1) all to liver for
Masum the soil stockhilles	very many
erosion. The soil stockpiles	U
and mondon)	
reclamation as needed.	

B. SPOIL	,
DESCRIBE METHODS	AMSSOURI LAND IND LOCATION OF SPOIL PLACEMENT AND DISPOSAL PECLAMATION COMMUNICATION
	We don't anticipate any spoil from te. Honever if some fines are left after ing ceases than they will be used to slope
this se	te. Housever if some fines are left after
quarry	ing ceases than they will be used to slope
pit w.	els to form lake.
C. ACID MATERIA	
DESCRIBE METHODS A	ND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
	H/an/L
u.	NONE
	ION (GIVE ALL DIMENSIONS IN FEET)
DESCRIBE LOCATION A	AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
	- SEE STE MAP- Final pit location depends on quality ck found.
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Tinal pet location depends on quality
1	Λ Λ
of no	ck found.
YES NO	<u> </u>
	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
- m	
	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any
	public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet
•	or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is
9	greater, unless a variance is granted by the Commission.)
	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

DEC	ΕI	V	E	1
APR	2 💐	9ھر	6	D

RECLAMATION PLAN - 10 CSR 40-	10.020(2)(D)2.	MISSOURI LAND			
A. REVEGETATION (Attach additional sheets, if needed)					
REVEGETATION MIX I	PURPOSE OR LAND USE	B SEEDING OF	PLANTING TIME		
TESCUE TLESPEL	YEZA LARE	+ Houssala Spr	NG + FALL		
DESCRIBE METHODS AND EQUIPMENT TO	BE USED FOR SEEDING OR PLANT!	NG J	0 -1 0		
afte	n topsoil is.	replace + fine	I Stope advast with		
We will reseek	os Messel. cording to recommendations	replaced + Jenes a Will be brook he tap 12" to 1 made, based on an analysis of soil			
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE		
Leseue Legedega	20#/acre 15#/acre				
VEGETATION MIX #2 DESCRIBE METHODS AND EQUIPMENT TO I	PURPOSE OR LAND USE BE USED FOR SEEDING OR PLANTII	B. SEEDING OR I	PLANTING TIME		

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING MISSOURI	LAND ;
DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES KECLAMATION C	OMMISSION
The reclaimed topography with	I be stoped
to lit in with the surrounding original	landscape.
The reclaimed topography will be turned into a le	she with
housing sites surrounding et.	
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES	
GRADING Deading will take place as the pit.	is backfilla.
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES GRADING Diading will take place as the pit. Jenal grading will be done at least 1 year labe is finished REPLACEMENT OF TOPSOIL TO	N lufore
lake is finished	
REPLACEMENT OF TOPSOIL Japsoil Will be replaced as fe	nal grading
Takes place.	
Deeled en fall & Spring to prevent erosion frading Will lie seeded as grading is finished	leng) will be
seeded en fall & Spring to prevent eroses.	n. Lenal
grading Will lie seeded as grading is finish	ed.
AVERAGE DEMAN OF REPLACED TOPSOIL (INCHES)	
D. USE OF LAND WHEN RECLAIMED	ECTIMATED ACDEC
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	45
Water impoundments (for wildlife, agricultural, or development)	45



By my signature, I attest to the following:

MISSOURI LAND
RECLAMATION COMMISSION

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT	TITLE	DATE //
Harold & Some	off Mg	4/19/96
STATE STATE SUBSCRIBED AND SWORN BEFORE ME, T	HIS A	COUNTY (OR CITY OF ST. LOUIS)
19th DAY OF CLA	NAC 19 96	USE RUBBER STAMP IN CLEAR AREA BELOW
NOTARY PUBLIC SIGNATURE NOTARY PUBLIC NAME (TYPED OR PRINTED) Terri L. Hun 2 a	TAY COMMISSION EXPIRES	TERRI L. KUNZA NOTARY PUBLIC NOTARY SEAL STATE OF MISSOURI LINCOLN COUNTY MY COMMISSION EXP. MAY 23, 1998
APPROVED BY (DIRECTOR'S REPRESENTATIVE)	DATE APPROVED	PERMIT NUMBER
MEC, P.C.	5/7/96	1 86





MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION

SITE INFORMATION FORM To be completed for each separate area of disturbance associated with mining operations RECIAMATION COMMISSION SITE NAME OR NUMBER PERMIT NUMBER 0086 SECTION RANGE RIVER OR STREAM NAME (FOR IN-STREAM ACRES) MINERAL COMMODITY ESTIMATED TONS/YEAR (FOR GRAVEL SITES) LIMESTOWN NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) ZIP CODE SOURCE OF RIGHT TO MINE (CHECK CHE): MINERAL DEED LEASE WARRANTY DEED VERBAL AGREEMENT DOTHER (DESCRIBE): DUNED MINERAL RIGHTS OWNER (ATTACH LIST, IF MORE THAN ONE) STATE ZIP CODE SOURCE OF RIGHT TO MINE (CHECK ONE): MINERAL DEED LEASE VERBAL AGREEMENT WARRANTY DEED

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

MO 780-1036 (12-91)



MISSOURI DEPARTME. OF NATURAL RESOURCES AND RECLAMATION COMMISSION

ECEVE

P.O. BOX 176 FRALK-FORD JEFFERSON CITY, MO 65102 MINE PLAN MISSOURI LAND TYPE OF PLAN (CHECK ONE): RECLAMATION COMMISSION 12/31/2050 SHORT TERM, FOR ONE PERMIT YEAR W'LONG TERM, FOR PERIOD THROUGH DATE: DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY. trankford QUARRY This plan Covers an area of approx. 50 acres. This site lies in a rolling area with some trees. Orierburden is approx. 9-10 feet. The area is bordered on the West ley U.S. Hwy 61. OPERATION PLAN - 10 CSR 40-10.020(2)(D)1. AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE? MINCHES | YES OF TO NO DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL Topsoilt overbunden Will be removed with doyars, scrapers, t.
front en loaders. It will be stockpiled
on sete. It will be removed as needed Prior to mining. DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION Carry the outstands to the stockpile site where it will be shoped with fintere looders. The stockpile well be seeded to precent croseon.

		FATOLO
B. SPOI		
DESCRIBE	METHODS	and Location of spoil placement and disposal all from the Pit Willber
)	20	1 in a O " of min O out portion
1	Hoch	spiles or placed in the miles our from its
	of E	the Pit and eventually graded to the
W,	Vreg	and LOCATION OF SPOIL PLACEMENT AND DISPOSAL CELL OUEThurden from the Pit Willber Appled on placed in the mined out portions the Pitan Deventually graded to the quired slope of 3 to 1.
C ACID	MATERI	AI S
		AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
DESCRIBE	METHODS	AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WAITE NONE BELOW)
		- NONE -
		70070
		
		TION (GIVE ALL DIMENSIONS IN FEET)
DESCRIBE	LOCATIO	N AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
		STE MAPS
		Ste Mint
		RECEIVE
		Nov 0 3 1999 D
		MISSOURI LAND
		RECLAMATION COMMISSION
YES	NO	
	Ø	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	Ø	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no-case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
	X	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

==:::::::::::::::::::::::::::::::::::::			FRANK FORD
RECLAMATION PLAN - 10 CSR 40- 1. REVEGETATION (Attach addition		18 09	
EVEGETATION MIX #1	PURPOSE OF LANGUESE		OR FAIL
ESCRIBE METHODS AND EQUIPMENT TO	BE USED FOR SEEDING OR PLANTING TANDALO Chas	dien replace	ecil, ax April
09.00	opsod wield	e sour Oon the	site
to prevent d	nosion. This	diew replaced on the sew Will bee lend ato the soil. made, based on an analysis of soil te	rodeast +
ime and fertilizer will be applied ac vill be applied to all slopes exceeding	ccording to recommendations ag 5:1.	To The Dock, made, based on an analysis of soil te	xture and nutrients. Mulcl
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
FESCUE	20*/ACRE		
LespEdera	15 1/ACRE		
TYEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLA	INTING TIME
ESCRIBE METHODS AND EQUIPMENT TO	BE USED FOR SEEDING OR PLANTIN	IG I	
ime and fertilizer will be applied ac		made, based on an analysis of soil te	xture and nutrients. Mulc
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
		DEC	RIVED
		K NOV	3 1999
ATTACH ADDITIONAL SHEETS FO	DR ADDITIONAL SEED MIXES	TAAAATII	ON COMMISSION

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all reclained areas REGIAMATOR COMMISSION REPLAMATOR COMISSION REPLAMATOR COMISSION REPLAMATOR COMMISSION REPLAMATOR COMISSION REPLA the required slopes. a lake of approp. \$35" acres will be constructed from the Old pri with an area around the lake of by approx. Facies see De to grass. The required slope shall be 3 to 1.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES	- 1
GRADING Bradeing Will be done as the	Octio
brock filled Final grading willbe Con	relied / year
after the lake is sinte Dareas become i	nactive. 10-21-99
Sopsoil Will be replaced Wil	ithen / examp
Jopsoil Will be replaced W. of final grading. Jop Soul will be place REVEGETATION	Owither orleged
all topsoil will be seeded in	, ,
er spring following topsoil replacement	A.
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)	
D. USE OF LAND WHEN RECLAIMED	ECTIMATED ACDES.
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
evelopment (residential, industrial, and recreational)	15
Water impoundments (for wildlife, agricultural, or development)	35
MO 780-1327 (12-91)	PAGE 4 OF 5

By my signature, I attest to the following:

MO 780-1327 (12-91)

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.



PAGE 5 OF 5

SIGNATURE OF APPLICANT		V- Pres		10/29/99
NOTANY CALCULATION OF THE COLUMN TO THE COLU	SUBSCRIBED AND SWORN BEFORE ME, TH	IS a	COUNTY (OR CITY	OF ST. LOUIS) STAMP IN CLEAR AREA RELOW.
VA TARY PUBLISHED OF MISSON	NOTARY UBLIC SIGNATURE DOUBLE SIGNATURE	MY COMMISSION EXPIRES		HAROLD L. BONO otary Public - Notary Scal STATE OF MISSOURI
	NOTARY PUBLIC NAME (TYPED OR PRINTED)	,		Lincoln County mission Expires: Nov. 11, 2001
APPROVED BY (DIRECTOR'S REPR	IESENTATIVE)	DATE APPROVED 2-10-89	7	PERMIT NUMBER





MISSOURI DEPARTMENT OF NATURAL RESOURCES $\ DEC\ 9$

SITE INFORMATION FO		MISSOURI LAND	Expansion Acres
To be completed for each separate area o	f disturbance associa		The state of the s
SITE NAME OR NUMBER		PERMIT NUMBER	
SILEX EVANTY COMPANY NAME		008	6
Magnides Limes	tope Co.	Inc.	
Lincoln			SECTION 2
TOWNSHIP	RANGE		ACRES /
50N	1/W		3 & m/L
RIVER OR STREAM NAME (FOR IN-STREAM ACRE	S)		,
MINERAL COMMODITY	 	ESTIMATED TONS/YEAR (F	OR GRAVEL SITES)
Limestine			
NAME OF LANDOWNER (ATTACH LIST IF MORE TH	•		
ADDRESS 99 Ellis Ln.	es L.L.C.		
ADDRESS U			
99 Ellis Ln.			
5ilex		STATE W.	ZIP CODE (63377
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT
MINERAL DEED		🖾 LEASE	11/13/02
☐ WARRANTY DEED		VERBAL AGREEMENT	
OTHER (DESCRIBE):			
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE	THAN ONE)	-	
Same			
ADDRESS			
СПУ		STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT
MINERAL DEED		LEASE	
WARRANTY DEED		UERRAL AGREEMENT	

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

MO 780-1036 (11-00)

OTHER (DESCRIBE):



MO 780-1036 (12-91)

MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION

RECEIVED FEB 25 1998

SITE INFORMATION FORM

******				MISSOURI LAND
To be completed for each separate ar	ea of disturbance associ	iated with mining operatio	ons. RECIA	MATION COMMISSION
SITE NAME OR NUMBER		PERMIT NUMBER		
		0086		
Siles Quarr	4/	0000		
COMPANY NAME /	Q = 1	A 9		
(Vaary Day) Ly	nestone (
COUNTY /	1/4 SECTION	<i>o.</i> , <i>ora.</i>	SECTION	
\mathcal{A}^{\bullet}			110	1.1
Mucoln			1/9	7
TOWNSHIP	RANGE		ACRES	_
501	(1)		12-	3
RIVER OR STREAM NAME (FOR IN-STREAM A	CRES)		1010	
	,			
MINERAL COMMODITY		ESTIMATED TONS/YEAR	(FOR GRAVEL	SITES)
of insentan				
NAMBERAL				
NAME OF LANDOWNER (ATTACH LIST IF MO	RE THAN ONE)	******		
		7 9		
11 Jaaruser Le	mestone Co	o. Inc.		
ADDRESS				
255 1/2/10	$\mathcal{P}_{a}I$			
CITY CITY		STATE		ZIP CODE
		100		10300
Roy		19110.		63519
SOURCE OF RIGHT TO MINE (CHECK ONE):				DATE OF AGREEMENT
MINERAL DEED		LEASE		1969
WARRANTY DEED		VERBAL AGREEMENT	-	1/61
)	- VENDAL AGRICULTI		
OTHER (DESCRIBE): UNIVER				
MINERAL RIGHTS OWNER (ATTACH LIST IF				
Same-As	- alhana			
ADDRESS	acove			
CITY		STATE		ZIP CODE
SOLIDGE OF BIGHT TO MINE (OUTON ONE)				DATE OF ACRES AS
SOURCE OF RIGHT TO MINE (CHECK ONE):		<u>Г</u>		DATE OF AGREEMENT
MINERAL DEED		LLEASE		
WARRANTY DEED	- C- A	VERBAL AGREEMENT	Γ, .	
OTHER (DESCRIBE): OWNED	Ry Magny Di	w Limestone	a Inc.	
OTTEN (DESCRIBE).				
NOTE: Each site must be shown on a	man and he included in	a public notice and an a	nnroved min	ne nlan
TO TE. LUCII SILE IIIUSL DE SIIUWII DII C	a map and be included in	i a public flotice and all al	Phicaea IIIIII	io piani.

MISSOURI DEPARTMENT > No URAL RESOURCES

AND RECLAMATION COMMISSION

MINE PLAN

DECEIVE

P.O. BOX 176 MISSOURI LAND JEFFERSON CITY, MO 65102 RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE):	COMPANY MAKE	Maari	Den Temestone Co, suc.
SHORT TERM, FOR ONE PERMIT YEAR	COMPANY NAME	1 loga	CAN CANTESCE CE JUNE.
LONG TERM, FOR PERIOD THROUGH DATE:	SSION PERMITTING (BY	APPLICANT OF	BRIOR OPERATORY INCLUDING CON MEGETATION
			PHIOR OPERATOR), INCLUDING SOIL, VEGETATION
This sate Covers) an arla	of do	acres. The site was
	10100 -	A CONTRACT	not use don surre
opened for a quarry is	~ 1767 su	, was	The state of
0 5 + 5 1 00 - 01	it troop	on appr	rop. 1/2 of the acreage.
long. It is rolling w	un caes c		
It has a small pet	- approved 1	00 X50	and 40' deep. The
It has a small fire	J-1-30 p. 7	~ X ~ ·	•
topsoil is 6 to 2 ' de	en.		
10 passed 100 passed 1	T -		
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.			
A. TOPSOIL			
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION	I COMMISSION PERMITT	ING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
		D INCHES	YES OR NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL RE	MOVAL		
The topsoil w	ill be re	noued.	leg doger, scrapers,
	-		
or execuator. It is	vill die 2	tocker	eled on Sete for
	A	_ ^	·
later eese in re	clowalls	\mathcal{W} .	
			:
·			

The topsoil will be removed by dozen or excavator and stockpiled with sorapers or hard trucks. These stockpiles will be sown in grass until needed for reclamation.

MO 780-1327 (12-91)

·	•.	\sim
B. SPO	IL	
recl ana au	emethodi amali rea.	The topsoil on site will be stored of essel for in. The cherty, rocky subsoil will be used to level for stockpiles. any other rock on site will be creshed for commercial use.
C ACI	D MATER	IALS
		S AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
		NONE
		RECEIVED MISSOURI LAND RECLAMATION COMMISSION
D. PIT	INFORMA	TION (GIVE ALL DIMENSIONS IN FEET)
		N AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
		EE SITE MAP
YES	NO	
	02/	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	V	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
	ф	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)
MO 780-1327	7 (12-91)	PAGE 2 OF 5

PERMIT NO

CTTD NO 1/2- NAVO Silex Quarry

RECLAMATION PLAN - 10 CSR 40-10.								
A. REVEGETATION (Attach additional sheets, if needed)								
REVEGETATION MIX #1 FESCUE + LESPEDEZA	PURPOSE OR LAND USE.	0-18	B. SEEDING OR PLAN	NTING TIME				
		***	SHUNG Y	TALL				
after topsoil is replaced and final slopes have								
been accomplished the area welf die worked with								
dish. Fertilizer + lime Will be beroadcast on area and								
defler topsoil is replaced and final slopes have been accomplished the area will die worked with dish. Fertilezer time will be broadcast on area and grass seed will be broadcast. A roller well press the seed Limeand fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.								
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES		STEMS/ACRE				
FESCUE	20#/acre		PECI	EIVED				
LESPEDEZA	15#/acre	RECEIVED FEB 25 1998		2 5 1998 D				
			MISSO	URI LAND I COMMISSIONI				
REVEGETATION MIX #2	PURPOSE OR LAND USE		B. SEEDING OR PLA	NTING TIME				
DESCRIBE METHODS AND EQUIPMENT TO BE	USED FOR SEEDING OR PLANTI	NG						
		:						
Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.								
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES		STEMS/ACRE				
ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.								

PERMIT NO.

MO 780-1327 (12-91)

SITE NO.+/OF NAME Silex Quarry

B. GRADING					
DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES MISS RECLAMAT	OURI LAND ION COMMISSION				
The pet area on the expansion area u					
deeper than in Magnide's land. It will be					
the required slope and turned into a lake	. The area				
around the lake will be leveled. Resid	enteal				
buildings will be placed on Magnide he	<i>7</i>				
If in the future the Ellis property is	lought,				
residential buildings could surround to					
•					
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES					
brading will take place as pet walls are	sloped,				
Fenal grading will be done at least 1 year before mining and the lake is finished					
mening and the lake is finished					
REFLACEMENT OF TOPOGLE					
Topsort will be replaced as final gra	den				
takes place.					
all topsoil will be seeded in fall &	young to				
all topsoil will be seeded in fall & prevent crossion. Final grading will be seeded in fall & see is finished	lil as graden				
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)					
D. USE OF LAND WHEN RECLAIMED					
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:				
Wildlife (forest or other habitat with livestock excluded)					
Agricultural (pasture, cropland, and horticultural)					
Development (residential, industrial, and recreational)	36				
Water impoundments (for wildlife, agriculture, or development)	21				
PERMIT NO. OC86 SITE NUMBERNAME SILEX QUARTI					
MO 780-1327 (11-00)	PAGE 4 O				



JAN 2 2003

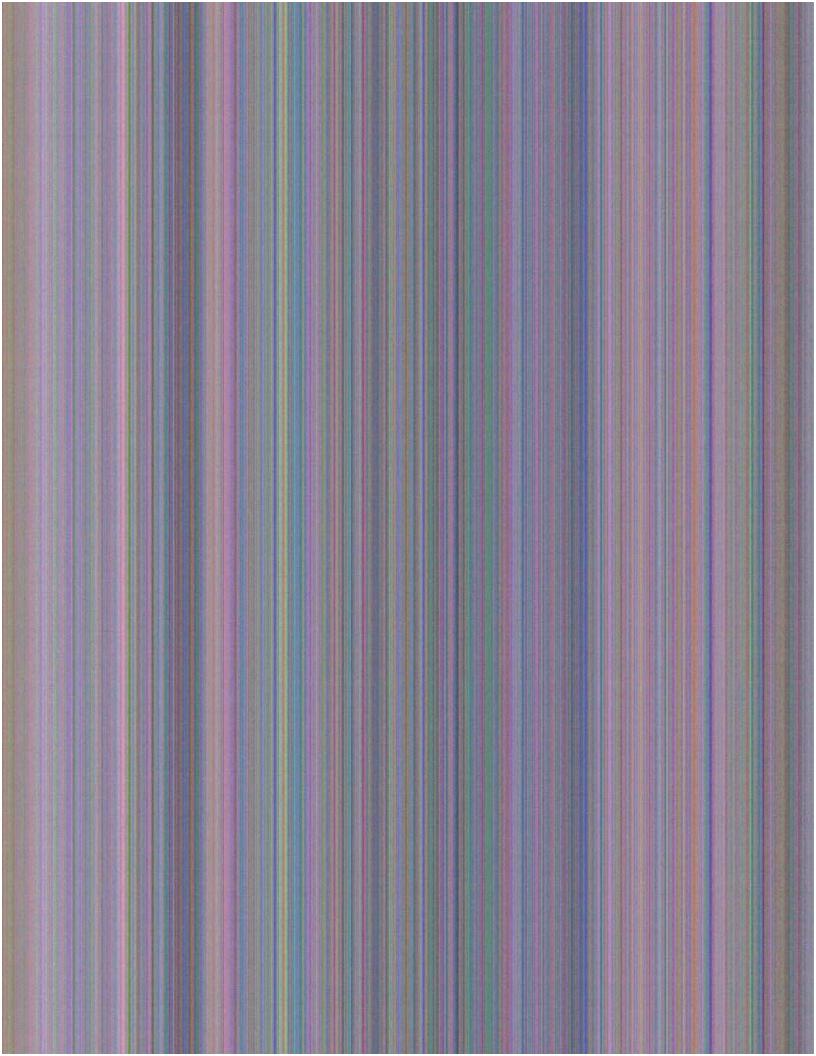
By my signature, I attest to the following:

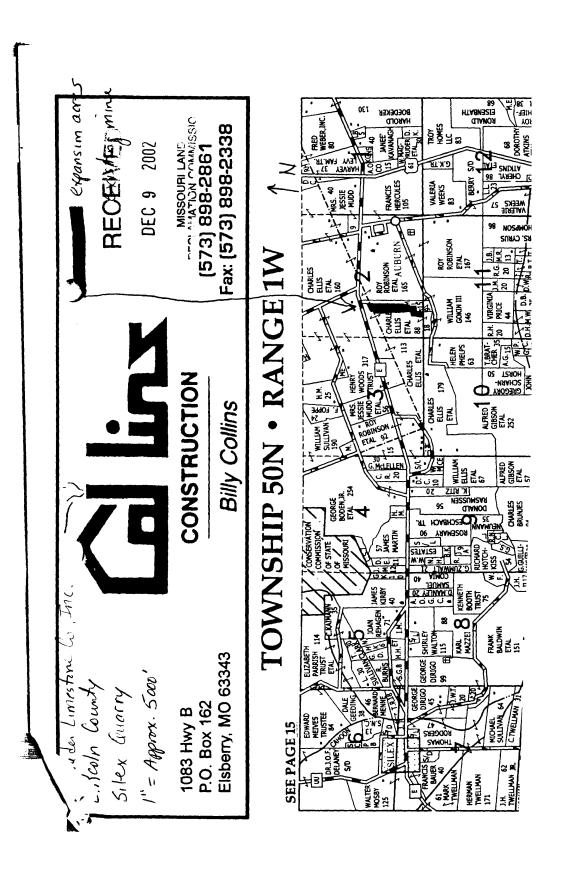
MISSOURI LAND
RECLAMATION COMMISSION

PAGE 5 OF 5

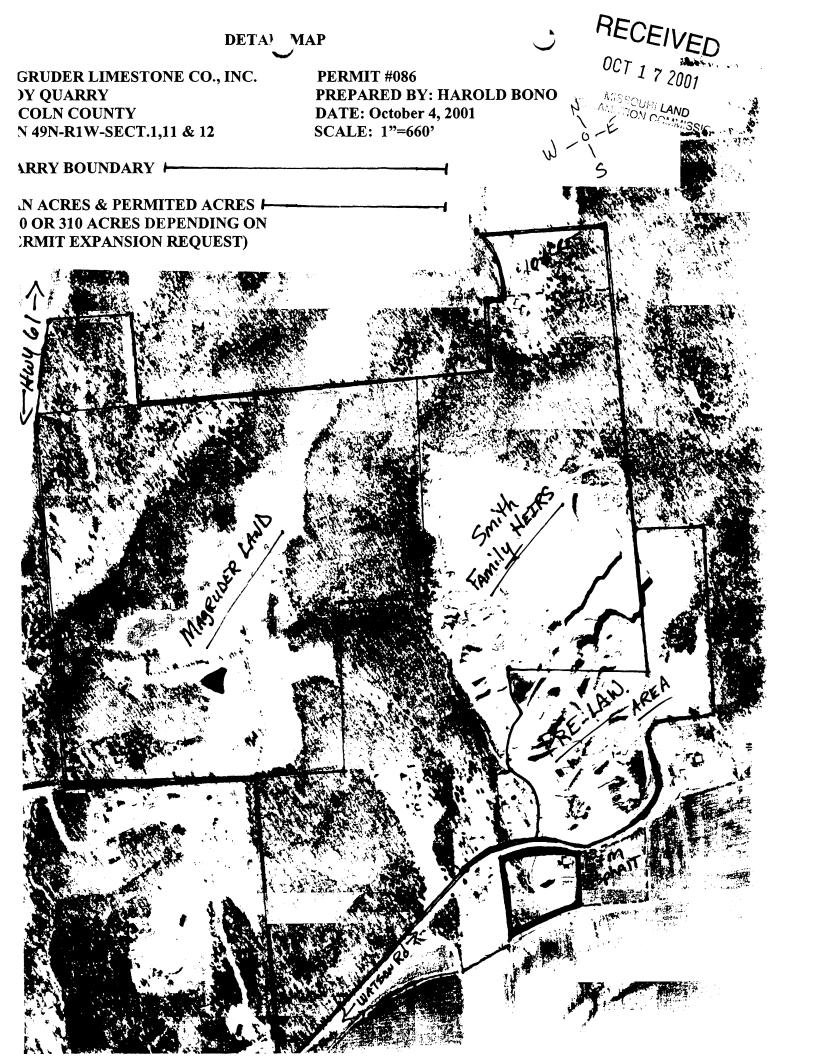
- 1. All statements made on this Mine Plan Form are correct, complete and true, to the best of my knowledge.
- I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT		TITLE	/	DATE /2 /2 /2 /2	
NOTATIVE INCOME SHADOGE FOR	STATE	OC/Markoti	COUNTY (OR CIT	Y OF ST. LOUIS)	
ARY PUBLISHING	SUBSCRIBED AND SWORN BEFORE ME, THIS	1 0	LINCOLN		
	2000 DAY OF Necember	YEAR 2002	USE RUBBE	r standinglear areas	ELOW.
	NOTARY PUBLIC SIGNATURE NOTARY PUBLIC NAME (TYPED OR PRINTED)	MY COMMISSION EXPIRES		otary Public - Notary S STATE OF MISSOUR Lincoln County nmission Expires: Nov.	L
	1 / 1/1/2000	00	IVI, Con		
APPROVED BY (DIRECTOR'S REPR	ESENTATIVE)	DATE APPROVED		PERMIT NUMBER	
1/////	Sanne.	3-20-0	73	0080	

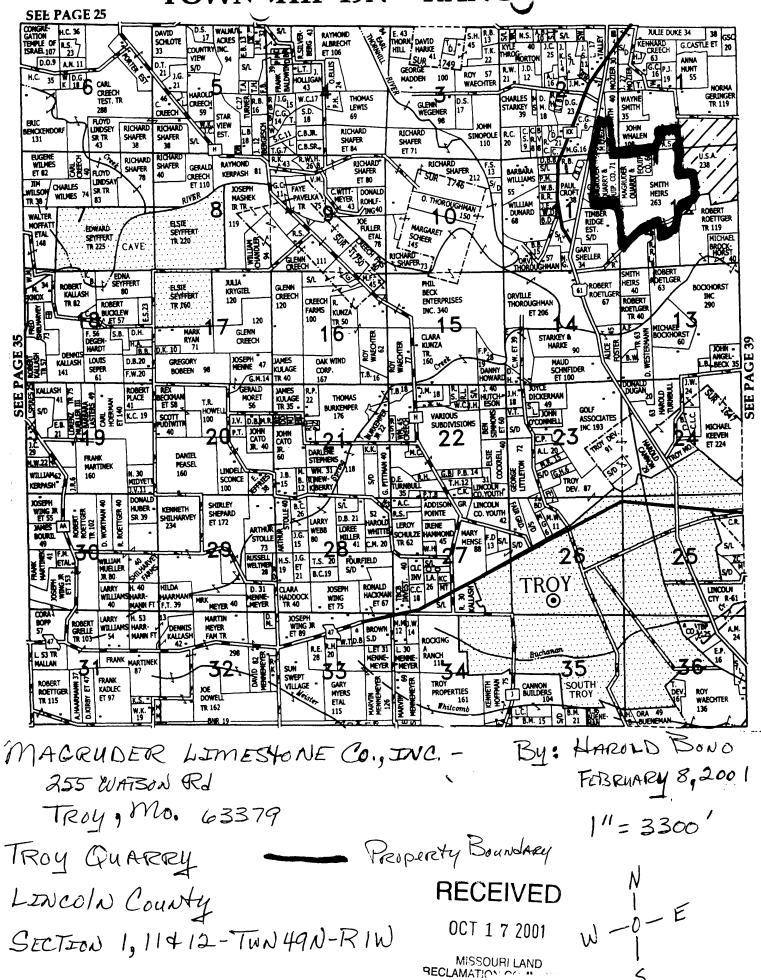








TOWNSHIP 49N • RANGE 1W



I MATTER MAD-

LOCATOR MAP

MAGRUDER LIMESTONE CO., INC. ASHLEY QUARRY PIKE COUNTY TWN 52N-R3W-SECT. 27 & 28

QUARRY SITE |---

PERMIT #086

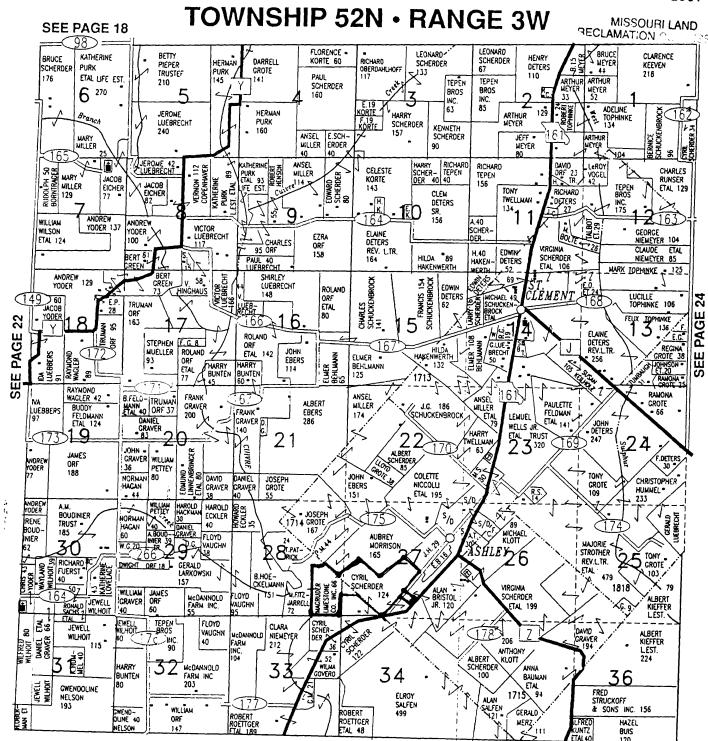
PREPARED BY: HAROLD BONO

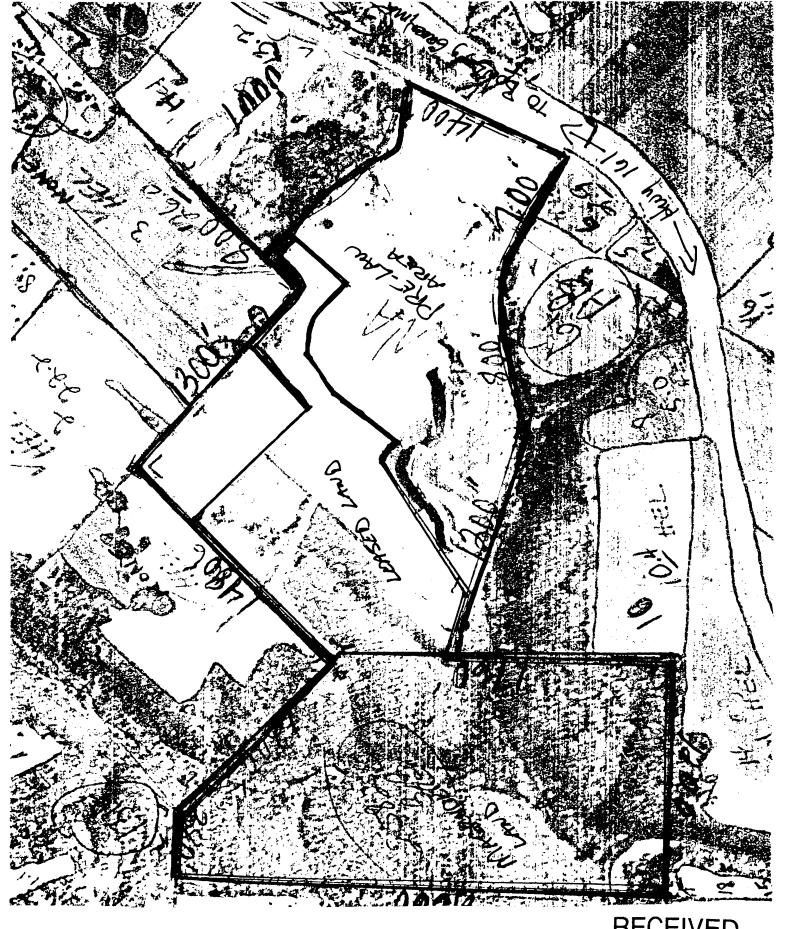
DATE: October 4, 2001

SCALE: 1"= 3300"

RECEIVED

OCT 1 7 2001





DETAIL MAP

PERMIT #086
PREPARED BY: HAROLD BONO
DATE: October 4, 2001
SCALE: 1"= 500'

RECEIVED

OCT 1 7 2001

MISSOURI LAND RECLAMATION COMMISSION

QUARRY BOUNDARY

MAGRUDER LIMESTONE CO., INC. ASHLEY QUARRY PIKE COUNTY TWN 52N-R3W-SECT. 27 & 28

PLAN ACRES & PERMITED ACRES (90 ACRES TOTAL)

DETAIL MAP

PERMIT #086 PREPARED BY: HAROLD BONO DATE: October 4, 2001

SCALE: 1"= 400'



QUARRY BOUNDARY

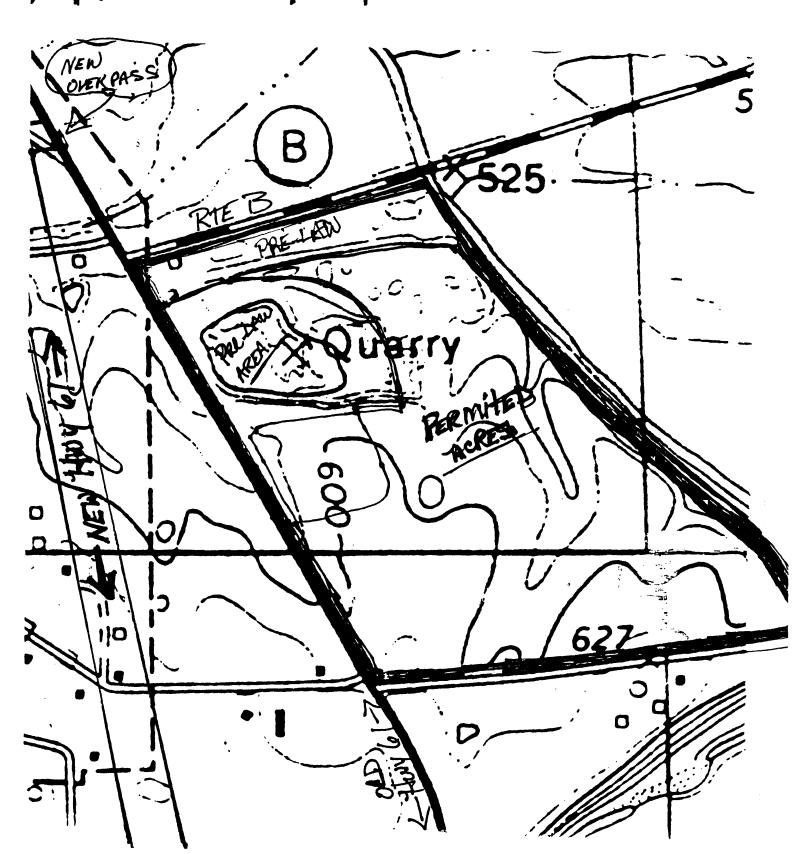
TWN 55N-R4W-SECT 35&36

FRANKFORD QUARRY

PIKE COUNTY

MAGRUDER LIMESTONE CO., INC.

PLAN ACRES & PERMITED ACRES (45 ACRES TOTAL)



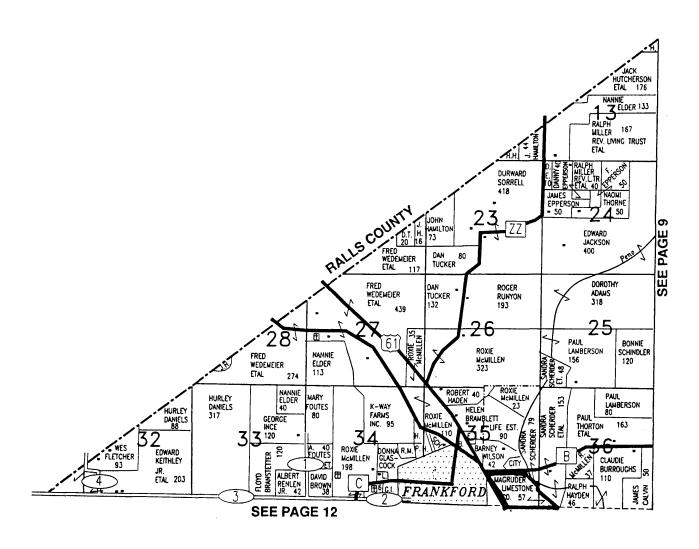
MAGRUDER LIMESTONE CO., INC. FRANKFORD QUARRY PIKE COUNTY TWN 55N-R4W-SECT. 35 & 36

PERMIT #086 PREPARED BY: HAROLD BONO

DATE: October 4, 2001 SCALE: 1"= 3300"

QUARRY SITE

TOWNSHIP 55N • RANGE 4W



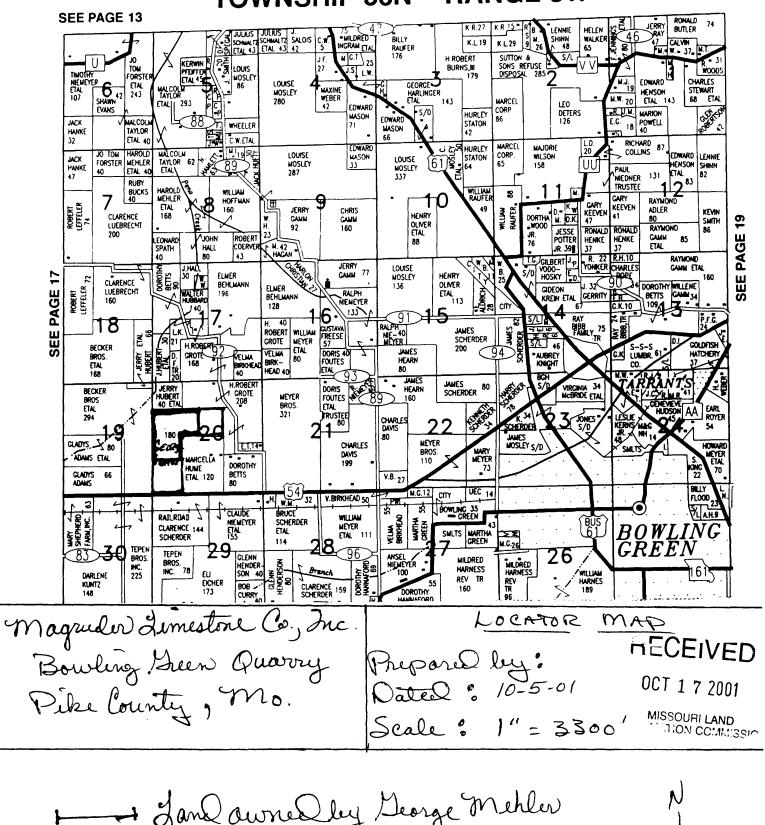
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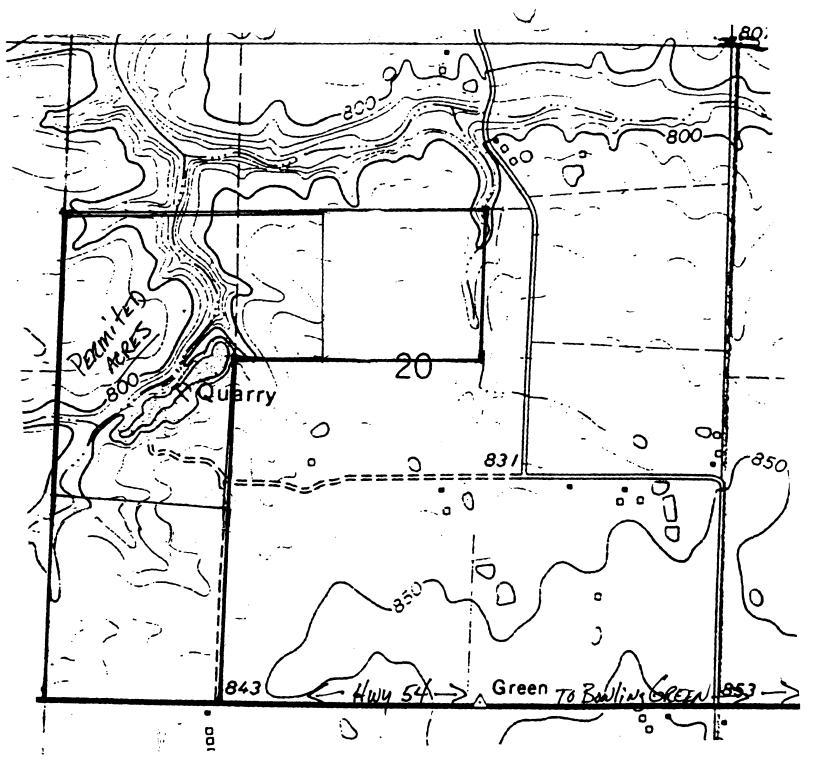
MISSOURI LAND



TOWNSHIP 53N · RANGE 3W



Jan Dease and in Mine Plan



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OCT 1 7 2001

DETAIL MAP

PERMIT #086 PREPARED BY: HAROLD BONO DATE: October 4, 2001

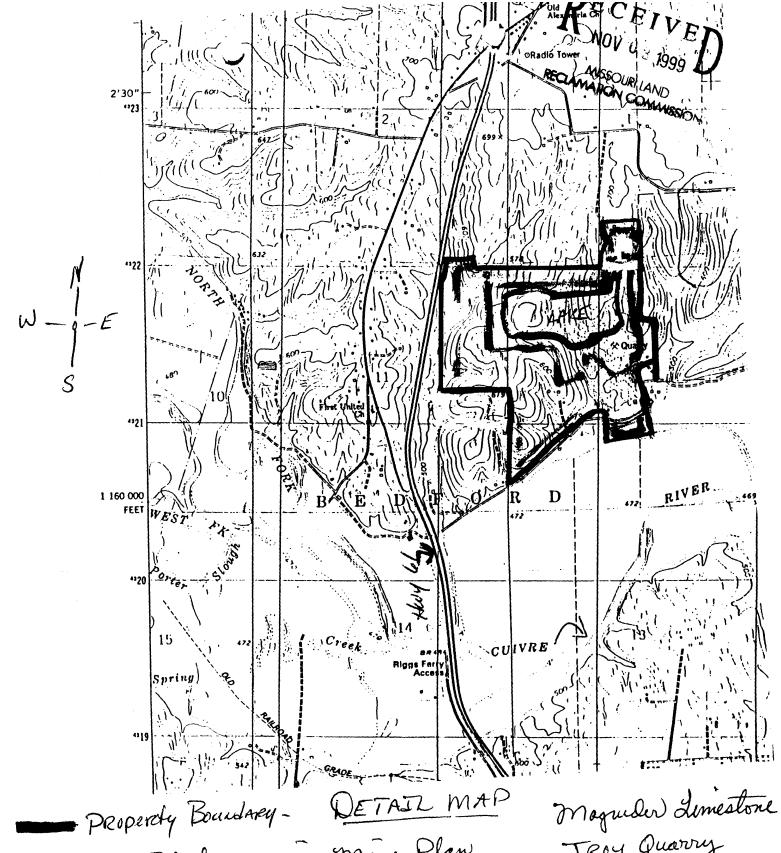
SCALE: 1"= 800"

MISSOURI LAND RECLAMATION COMMISSION

MAGRUDER LIMESTONE CO., INC. **BOWLING GREEN QUARRY** PIKE COUNTY TWN 53N-R3W-SECT 20

QUARRY BOUNDARY

PLAN ACRES & PERMITED ACRES (90 ACRES TOTAL)



Tôtal acres en Mine Plan 366acres

Dermitel acres - PERMIT #0082 180 ACRES

TROY Quarry TW49 - RIW - S114 Lincoln County, N

FUTURE LAKE - 158 ACRES

REST DeVelopment LANDOWNES BY MAGRINDER. QUARRY LEDWIP + SMITH HOLES' SCALL O

Preparely: HARRID BON. Daled: 10-25-99

